

Converting Colors

$Y_{xy}(17.2890, 0.3539, 0.2106)$

Have a look what the booklet for
Yxy(17.2890, 0.3539, 0.2106)
contains.

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Color

Yxy(17.2722, 0.3545, 0.2112)

Conversions

Conversions Part 1

Format	Color
Hex	BB44A1
RGB	187, 68, 161
RGB Percent	73%, 27%, 63%
CMY	0.2667, 0.7333, 0.3687
CMYK	0.00, 0.64, 0.14, 0.27
HSL	313°, 47%, 50%
HSV	313°, 64%, 73%
XYZ	28.9915, 17.2722, 35.5176
YIQ	114.1830, 41.0710, 54.1510

Conversions

Conversions Part 2

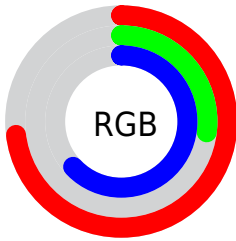
Format	Color
R _Y B	187, 68, 161
Decimal	12272801
CIE _{Lab}	48.60, 58.12, -26.29
CIE _{LCh}	49, 63.792, 335.657
Y _{xy}	17.2722, 0.3545, 0.2112
Android (android.graphics.Color)	4290462881 (0xFFBB44A1)
YUV	114.1830, 23.0808, 63.8605
Hunter-Lab	41.5598, 51.7889, -21.5781

Details

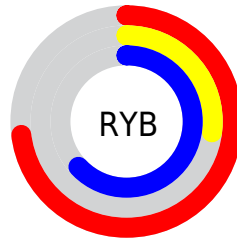
The Yxy color **17.2722, 0.3545, 0.2112** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **37.5763, 0.2901, 0.4916**, and the grayscale version is **16.8069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7166, 0.3471, 0.2338**, and **5.8500, 0.3650, 0.1784** is the 20% darker color. If you saturate the color by 10%, you get **15.2182, 0.3631, 0.1996**, and if you desaturate by 10%, it is **20.0539, 0.3462, 0.2263**.

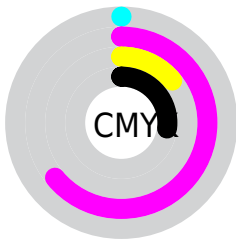
Distribution



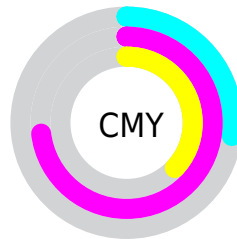
- Red (73%)
- Green (27%)
- Blue (63%)



- Red (73%)
- Yellow (27%)
- Blue (63%)



- Cyan (0%)
- Magenta (64%)
- Yellow (14%)
- Black (27%)




- Cyan (27%)
- Magenta (73%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2722, 0.3545, 0.2112 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 17.2722, 0.3545, 0.2112 by changing the saturation by 10% instead.


 17.2722, 0.3545,
0.2112


 17.2722, 0.3545,
0.2112


236.7361, 0.3332,
0.2728


 10.4288, 0.3597,
0.1952


 38.7932, 0.3468,
0.2341


 5.6841, 0.3663,
0.1745


 54.2395, 0.3439,
0.2426


 2.6540, 0.3747,
0.1469


 73.3223, 0.3414,
0.2497

 0.9539, 0.3852,
0.1092

 96.4258, 0.3393,
0.2557

 0.0000, 0.4209,
0.0000

 123.9346, 0.3375,
0.2609

 0.0000, 0.3209,
0.0000

156.2330, 0.3359,

 0.0000, 0.0000,

0.2654

0.0000

193.7054, 0.3345,
0.2693

■ 17.2722, 0.3545,
0.2112

■ 17.2722, 0.3545,
0.2112

■ 15.2182, 0.3631,
0.1996

■ 20.0539, 0.3462,
0.2263

■ 13.8179, 0.3718,
0.1923

■ 23.6227, 0.3383,
0.2440

■ 12.9861, 0.3801,
0.1897

■ 28.0349, 0.3312,
0.2632

■ 12.6431, 0.3854,
0.1897

■ 33.3410, 0.3248,
0.2831

■ 39.5873, 0.3192,
0.3029

■ 46.8171, 0.3143,
0.3222

■ 55.0709, 0.3101,
0.3406

■ 64.3868, 0.3066,
0.3578

■ 74.8012, 0.3036,
0.3739

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



17.2722, 0.2383, 0.1721



17.2722, 0.3545, 0.2112



17.2722, 0.4790, 0.2721

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



17.2722, 0.3545, 0.2112



17.2722, 0.4496, 0.5066



17.2722, 0.1251, 0.2441

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



17.2722, 0.3545, 0.2112



37.5763, 0.2901, 0.4916

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



17.2722, 0.1607, 0.3675



17.2722, 0.3545, 0.2112



17.2722, 0.3464, 0.5603

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



17.2722, 0.3545, 0.2112



17.2722, 0.5268, 0.4228



17.2722, 0.2407, 0.5112



17.2722, 0.1273, 0.1804

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



17.2722, 0.3545, 0.2112



17.2722, 0.5329, 0.3193



17.2722, 0.2407, 0.5112



17.2722, 0.1322, 0.2785

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



17.2730, 0.3545, 0.2112



64.3388, 0.3223, 0.2917



10.0927, 0.2116, 0.1366



13.4831, 0.3239, 0.2859



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.2730, 0.3545, 0.2112



26.2263, 0.3662, 0.1965



15.6542, 0.4552, 0.2856



9.6596, 0.3170, 0.3112



8.7229, 0.3844, 0.1891



0.3507, 0.3664, 0.1792

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



17.2730, 0.3545, 0.2112



26.2263, 0.3662, 0.1965



39.0770, 0.2556, 0.3852



9.6596, 0.3170, 0.3112



8.7229, 0.3844, 0.1891



0.3507, 0.3664, 0.1792

Previews

White Background



This preview shows how the Yxy color 17.2722, 0.3545, 0.2112 looks on a white background.

Color Contrast Check

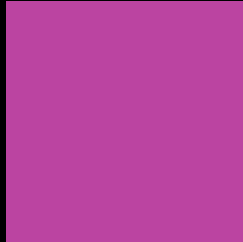
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 17.2722, 0.3545, 0.2112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

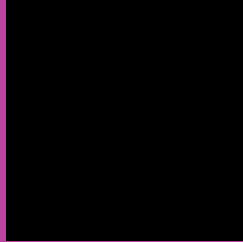
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.2722, 0.3545, 0.2112

Background



This preview shows how black text looks on a background with the Yxy color 17.2722, 0.3545, 0.2112.



This preview shows how white text looks on a background with the Yxy color 17.2722, 0.3545, 0.2112.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

17.2722, 0.3545, 0.2112

Protanopia

17.5497, 0.2085, 0.1894

Deuteranopia

17.4935, 0.2618, 0.2557



Tritanopia

17.3100, 0.4488, 0.3209

Trichromacy



Original Color

17.2722, 0.3545, 0.2112

Protanomaly

15.9037, 0.2432, 0.1887

Deuteranomaly

16.2179, 0.2902, 0.2295

Tritanomaly

17.1126, 0.4149, 0.2766

Monochromacy



Original Color

17.2722, 0.3545, 0.2112

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

15.8508, 0.3296, 0.2699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2722, 0.3545, 0.2112 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(187, 68, 161)` looks like.

```
.text, #text, p{  
    color:rgb(187, 68, 161)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(187, 68, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 68, 161) }
```

Border

The CSS property to change the border of an element to Yxy 17.2722, 0.3545, 0.2112 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 68, 161) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(187, 68, 161) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(187, 68, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 68, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 68, 161);  
box-shadow:4px 4px 4px 4px rgb(187, 68,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2722, 0.3545, 0.2112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 68, 161) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(187, 68,  
161) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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